



SINCE 1962

LITTLE FLOWER HOUSE

SENIOR SECONDARY SCHOOL
(AFFILIATED TO C.B.S.E – NEW DELHI)



SYLLABUS

SESSION 2026-27

CLASS-10



CL 10 ENGLISH LANGUAGE & LITERATURE

Prescribed Books: 1) First Flight 2) Footprints without Feet

Month/ No of Days	Name of the Book/Chapter	Periods Allotted	Activity	Details of periods allotted	Events/Extracurricular Activities
April/ (24 Days)	FIRST FLIGHT - F-1 A Letter to God - P-1 Dust of Snow - P-1 Fire and Ice - F-2 Nelson Mandela-Long Walk to freedom - P-2 A Tiger in the Zoo FOOTPRINTS WITHOUT FEET - A Triumph of Surgery - The Thief's Story GRAMMAR - Tenses	32	Speaking (P-11)	Content - 29 Test - 1 Smart class-2	Interview of Nelson Mandela (Stimulating real life situations.
May/ (13 Days)	FIRST FLIGHT - F-3 Two Stories about Flying - P-3 How to tell Wild Animals - P-3 The Ball Poem GRAMMAR - Modals WRITING - Letter to Editor - Letter of Enquiry	16	Speaking(P-36) Writing(p-41)	Content - 13 Test - 1 Smart class - 2	
PERIODIC TEST -1 :08/05/26 TO 15/05/26					
June/ (7 Days)	FIRST FLIGHT - F-4 From the Diary of Anne Frank - P-4 Amanda	9	Speaking (P-58) Writing(P-59)	Content- 6 Test - 1 Smart class - 2	
JULY (27 Days)	FIRST FLIGHT - F-7 Glimpses of India - P- 7 The Trees FOOTPRINTS WITHOUT FEET - The Midnight Visitor - A Question of Trust - Footprints Without Feet GRAMMAR - Subject-Verb Concord	30		Content- 27 Tests- 1 Smart class-2	

Unit Test - 2 :(21/07/26 to 28/07/26)					
August/ (21 Days)	FIRST FLIGHT - F- 8 Mijbil the Otter - P-8 Fog - F-9 Madam Rides the Bus - P- 9 The Tale of Custard the Dragon FOOTPRINTS WITHOUT FIGJHT 6) The Making of a Scientist	26		Content – 23 Test – 1 Smart class -2	Reciting poem (The Tale of Custard the Dragon) Working in pairs or groups
September/ (12 Days)	FOOTPRINTS WITHOUT FEET 7) The Necklace GRAMMAR - Reported Speech WRITING - Letter of Placing Order - Letters of Complaint	20		Content-17 Test -1 Smart class-2	Role Play (The Necklace)
October/ (20 Days)	FIRST FLIGHT - F-10 The Sermon At Benaras - P-10 For Anne Gregory FOOTPRINTS WITHOUT FEET 8) Bholi GRAMMAR - Determiners	27		Content- 24 Test- 1 Smart class-2	PPT (Determiners)
November/ (19 Days)	FIRST FLIGHT - F- 11 The Proposal FOOTPRINTS WITHOUT FEET 9) The Book that saved the Earth WRITING - Analytical Paragraph	24		Content-20 Worksheet-1 Test – 1 Smart class-2	Dramatization (The Proposal) Using newspaper clippings for comprehending and analyzing issues.
Dec/ 25 days	Letter Writing (Revision) Reading Comprehension (Worksheet) Revision	24		Worksheet-5 (Comprehension) Worksheet -5 (Letter Writing)	ASSESSMENT OF SPEAKING AND LISTENING
Pre Board-1: 07/12/26 to 16/12/26 Pre Board- 2 :06/01/27 to 16/01/27					

MATHEMATICS

MONTH & NO. OF WORKING DAYS	NAME OF THE UNIT	NAME OF THE CHAPTER/NCERT EX./ADDITIONAL QUESTIONS	PERIOD ALLOTTED	ACTIVITY/PROJECT/EXTENDED LEARNING
March (07)	Unit I Number Systems	1. Real Numbers 1 Pd. -Smart Class 12 Pd NCERT Exe 4 Pd. Mtg	15 Periods (23-03-26) to (13-04-26)	Activity 1
April (24)	Unit II Algebra	Real Numbers (Continued) 1 Pd. WS 1 Pd. Test 2. Polynomials 1 Pd. Smart Class 07 Pd. NCERT Exe 02 Pd. Mtg 1Pd. WS 1Pd. Test	07 Periods (15-04-26) To (27-04-26)	Activity 2 Activity 3
		3. Pair Of Linear Equations in Two Variables 1 Pd. Smart Class 12 Pd. NCERT Exe 04 Pd. Mtg 1 Pd WS 1 Pd Test	15 Periods (28-04-26) To (11-05-26)	
May (13)	Algebra	4. Quadratic Equations 1Pd. Smart Class 12 Pd. NCERT Exe 04 Pd. Mtg 1 Pd. WS 1 Pd. Test	15 Periods (13-05-26) To (02-07-26)	Activity 4 Activity 5
		5. Arithmetic Progression	15 Periods	
June (07)	Algebra	5. Arithmetic Progression Continued 1 Pd. Smart Class 12 Pd. NCERT Exe. 04 Pd. Mtg 1 Pd. WS 1 Pd. Test	(03-07-26) To (20-07-26)	Activity 6

July (27)	Unit III Geometry	6. Triangles 1 Pd. Smart Class 12 Pd. NCERT Exe. 03 Pd. Mtg 1 Pd. WS 1 Pd. Test	15 Periods (20-07-26) To (03-08-26)	Activity 7
		7.Circles 1 Pd. Smart Class 06 Pd. NCERT Exe 02 Pd. Mtg 1 Pd. WS 1 Pd. Test	8 Periods (05-08-26) To (14-08-26)	
August (21) Unit IV Coordinate Geometry	2. Circles Continued	1. Lines (in two dimensions) 1 Pd. Smart Class 12 Pd. NCERT Exe 02 Pd. Mtg 1 Pd. WS 1 Pd. Test	14 Periods (17-08-26) To (24-08-26)	Activity 7
September (12)	Unit V Trigonometry	8. Introduction to Trigonometry 1 Pd. Smart Class 12 Pd NCERT Exe 03 Pd Mtg 1 Pd. WS 1 Pd. Test	15 Periods (27-08-26) To (12-09-26)	Activity 8
		9 Application of Trigonometry 1 Pd. Smart Class 8 Pd. NCERT Exe 02 Pd. Mtg 1 Pd. WS 1 Pd. Test	10 Periods (15-09-26) To (22-09-26)	
October (20)	Unit VI Mensuration	10.Area related to Circles 1 Pd. Smart Class 10 Pd. NCERT Exe 02 Pd mtg 1 Pd. WS 1 Pd. Test	12 Periods (07-10-26) To (19-10-26)	Activity 9
		11.Surface Area and Volume	12 Periods	

		1 Pd. Smart Class 10 Pd NCERT Exe 02 Pd. Mtg 1 Pd WS 1 Pd Test	(21-10-26) To (30-10-26)	
November (19)	Unit VII Statistics and Probability	12 Statistics 1 Pd Smart Class 10 Pd. NCERT Exe 04 Pd. Mtg 1 Pd. WS 1 Pd. Test	18 Periods (06-11-26) To (18-11-26)	Activity 10
		13. Probability 1 Pd Smart Class 8 Pd. NCERT Exe 02 Pd. Mtg 1 Pd. WS 1 Pd. Test	10 Periods (19-11-26) To (25-11-26)	
Dec. (25)		Revision		

LAB ACTIVITY

1. To obtain the zero of a linear Polynomial geometrically
2. To obtain the conditions for consistency of a system of Linear equations in two variables by graphical methods.
3. To obtain the solution of a quadratic Equation by completing the square method.
4. To verify that the given sequence is an arithmetic Progression by paper cutting and pasting methods
5. To find the coordinates of points when a geometrical figure is transferred by moving
6. Units down and 5 units to left
7. To verify Basic Proportionality Theorem
8. To show that the lengths of tangents drawn from an external point to a circle are equal
9. To make a clinometer and use it to measure the height of an object
10. To make a right Circular Cylinder of given height and circumference of base.
11. Activity related to Surface area and volume.

PHYSICS

S. no.	MONTH AND NO. OF WORKING DAYS	NAME OF THE UNIT	PERIOD ALLOTTED					PRACTICAL/ACTIVITY
			CONTENT/ INTEXT QUES.	SMART CLASS	NCERT EXERCISE + ACTIVITY	WS	TEST	
1.	April 24 day May 07 day	Light Reflection of light	11	2	2+2=4	2	1	Determination of focal length of (a) concave mirror (b) Convex mirror by obtaining the image of an distant object. ACTIVITY- 9.1 to 9.6
PERIODIC TEST -1 (UP TO REFLECTION OF LIGHT)								
	June 7 days July 27 days	Refraction of light						ACTIVITY- 9.7 to 9.13 Tracing the path of a ray of light through a rectangular glass slab.
PERIODIC TEST -2 (REFRACTION OF LIGHT)								
2.	July August 21 days	Human eye and the colourful world	8	2	2+1=3	1	1	Tracing the path of the rays of light through a glass prism. ACTIVITY- 10.1 to 10.3
3.	August September 12 days	Electricity	10	1	2+2=4	2	1	Studying the dependence of potential difference (v) across a resistor on current I and determine resistance. Determination of equivalent resistance of two resistors when connected in series and parallel ACTIVITY- 11.1 to 11.6
Revision for Half yearly Examination								
HALF YEARLY EXAMINATION								
4.	October 20 day November 19 day	Magnetic effects of electric current	7	1	2+2	1	1	ACTIVITY- 12.1 to 12.9
	Revision							
PRE BOARD EXAMINATION								

CHEMISTRY

S. NO.	MONTH AND NO. OF WORKING DAYS	NAME OF THE UNIT	PERIOD ALLOTTED						PRACTICAL/ ACTIVITY
			CONTENT /INTEXT QUES.	SMART CLASS	ACTIVITY	NCERT EXERCISE	WORKSHEET	TEST	
1.	APRIL-24 & May -13	CHEMICAL REACTIONS AND EQUATIONS	12	2	3	1	1	1	ACTIVITY-1.1 to 1.11
PERIODIC TEST -1									
2.	July 27	ACID, BASES AND SALTS	12	2	3	1	1	1	To find the pH of the following samples by using pH paper/ universal indicator. (i) dilute hydrochloric acid (ii) dilute NaOH solution (iii) Dilute Ethanoic acid solution (iv) Lemon Juice (v) Water (vi) Dilute sodium bicarbonate ACTIVITY-2.1 to 2.8
3.	PERIODIC TEST -2								
4.	August 21 & September 12	ACID, BASES AND SALTS (continued) METALS AND NON-METALS	6	2	3	1	1	1	To study the properties of acids and bases (dilute HCl & dilute NaOH) by their reaction with (i) Litmus solution (Blue/Red) (ii) Zinc Metal (iii) Solid Sodium Carbonate. ACTIVITY-2.9 to 2.15
5.		Revision							
HALF YEARLY EXAMINATION									
6.	October 20	METALS AND NON-METALS (continued)	6	2	3	1	1	1	ACTIVITY-3.1 to 3.14
7.	October November 19	CARBON AND ITS COMPOUNDS	7	2	3	1	1	1	To study the following properties of acetic acid. (i) odour (ii) solubility in water (iii) effect on litmus (iv) reaction with sodium bicarbonate ACTIVITY-4.1 to 4.12
8.		Revision							
PRE BOARD EXAMINATION									

BIOLOGY

MONTH	Chap.	TOPIC	SUBTOPIC	PRACTICAL
April May	5	Life Processes	• What are life processes • Autotrophic Nutrition • Heterotrophic Nutrition • Respiration	1. To prepare a temporary mount of a leaf peel to show stomata. ACTIVITY-5.1 to 5.3
PERIODIC TEST 1 (Nutrition)				
June July	5	Life Processes	• Transportation • Excretion	2. To show experimentally that CO ₂ is given out during respiration [animals & plants (A)] ACTIVITY- 5.4 to 5.8
PERIODIC TEST 2 (Life Processes)				
August	6	Control & Coordination	• Coordination in plants. • Hormones in animals	ACTIVITY-6.1 to 6.4
	7	How do organisms reproduce	• Do organisms create exact copies of themselves? • Modes of reproduction used by single organisms	3. Reproduction: Budding in Yeast and Binary fission in Amoeba.
September		How do organisms reproduce	• Sexual reproduction in plants • Sexual reproduction in humans	4. To identify the different parts of an embryo of a dicot seed (gram). ACTIVITY-7.1 to 7.7
		Revision		
HALFYEARLY EXAMINATION				
October	8	Heredity	• Accumulation of variation during reproduction	ACTIVITY-8.1 and 8.2
November		Heredity	• Heredity, Rules for Inheritance of traits .	
November	13	Our Environment	• What happens when we add waste to the environment • Eco system- what are its components • How do our activities affect the environment	ACTIVITY-13.1 to 13.9
		Revision		
December	PREBOARD			

SOCIAL SCIENCE

MONTH & NO. OF WORKING DAYS	NAME OF UNIT	NAME OF CHAPTER	PERIOD ALLOTTED	ADDITIONAL ACTIVITY
April 24 & May 13	Economics	Development	12	Graphic organizer to compare the relation between HDI (Human Development Index) and PCI (Per Capita National Income)
	Events and Processes (History)	Rise of Nationalism in Europe	17	Map activity familiarizing the location of various places studying the map of Europe after the Congress of Vienna 1815 and locating important places on the political outline map of Europe
	Civics	Power-sharing	7	Socratic discussion on Power Sharing Techniques used by India, Sri Lanka and Belgium
	Geography	Resources and Development	6	
PERIODIC TEST-1 (ECONOMICS, HISTORY, GEOGRAPHY COMPLETED IN APRIL)				
June 07 & July 25	Geography	Resources and Development (cont.)	4	Use of maps, charts, and other tools to identify patterns and trends of land utilization. Map activity- Identify major soil type
	Economics	Sectors of the Indian Economy	12	Read newspaper articles and group discuss to summarize how the organized and unorganized sectors are providing employment and the challenges faced by them.
	Events and Processes (History)	The Nationalism in India	17	Sequence chart/story board/story telling pedagogy to illustrate various facets of Nationalist movements that ushered in the sense of Collective Belonging Map based activity - Congress session * Satyagraha * Jallianwala Bagh, Dandi Marg
	Civics	Federalism	8	Group discussion on the distribution of powers between Union and State Government and present the outcomes through presentations.
	Geography	Forest and Wildlife Resources	7	Discuss how developmental works, grazing, wood cutting have impacted on the survival forests
	Economics	Money and Credit	12	Case based study to analyze and infer various sources of credit
PERIODIC TEST -2				
August 21	(History)	The making of Global World	6	
	Civics	Gender, Religion and Caste	12	Graphic method to analyses and infer how different expressions based on differences in Gender, Religion and Caste are healthy or unhealthy in a democracy

	Geography	Water Resource	7	Brainstorming session to discuss the scarcity of water and present through graphics organizers. Map work - locating Dams
	Economics	Globalization and Indian Economy	8	Watch videos on globalization followed by an interactive group discussion to enumerate the concept of globalization and its definition, evolution, and impact on the global economy.
September 12	Civics	Political Parties	12	Role play and create awareness of fundamental duties Group Discussion on the challenges faced by farmers, such as low productivity, lack of modern technology, inadequate irrigation facilities, and post-harvest losses and present the findings. Use of flow chart to differentiate between the conventional and non-conventional sources of Energy
	Geography	Agriculture	10	1. Map work - Major area of Rice and Wheat 2. Major producer of sugar cane, tea and coffee 3. Rubber, cotton and jute
HALF YEARLY EXAMINATION				
October 21	Geography	Minerals and energy resources	10	
November 19	Everyday Life, Culture and Politics (History) Civics	Print Culture and the Modern World Outcomes of democracy	10 11	Interpret and infer from pictures, cartoons, extracts from propaganda literature on important events and issues with focus on print culture. Graphic organizer to enumerate how a success of democracy depends on quality of government, economic wellbeing, inequality, social differences, conflict, freedom and dignity. Uses case studies to infer the relation between availability of raw material and location of the industry.
	Geography	Manufacturing industries	10	Map based: • Manufacturing industries • Cotton textile • Iron and steel plant • Software technology parks • Lifeline of national economy • Major sea port • International airport Project work - Topic: Consumer right for Social Issue or sustainable development
December	Revision			
PRE - BOARD EXAMINATION				

HINDI

महीना एवं कार्य दिवसों की संख्या	क्र.सं.	पाठ्यपुस्तक	पाठ का नाम	आवंटित अवधि	गतिविधियाँ / परियोजनाएँ
अप्रैल (24 दिन)	1.	क्षितिज (गद्य खंड)	पाठ-10 नेताजी का चश्मा- स्वयं प्रकाश इकाई परीक्षा	5	1. नेताजी सुभाषचंद्र बोस एवं ऐसे ही अन्य स्वतंत्रता सेनानी के व्यक्तित्व और कृतित्व पर आधारित कुछ किस्से संकलित कर एक एल्बम तैयार करें।
	2.	क्षितिज (काव्य खंड)	पाठ -1 सूरदास- पद इकाई परीक्षा	6	
	3.	व्याकरण-	अपठित बोध (गद्यांश) इकाई परीक्षा	2	
	4.	व्याकरण-	अपठित बोध (काव्यांश) इकाई परीक्षा	2	
	5.	व्याकरण-	वाक्य- रचना के आधार पर वाक्य भेद इकाई परीक्षा	5	
	6.	व्याकरण-	अनुच्छेद लेखन इकाई परीक्षा	4	
मई (13 दिन)	7.	क्षितिज (गद्य खंड)	पाठ-11 बालगोबिन भगत- रामवृक्ष बेनीपुरी इकाई परीक्षा	5	2.प्रभाती गायन (प्रातः काल गाए जाने वाले गीत) का संकलन कीजिए और उसकी संगीतमय प्रस्तुति कीजिए।
	8.	क्षितिज (गद्य खंड)	पाठ-12 लखनवी अंदाज- यशपाल इकाई परीक्षा	4	3.बदलते हुए मौसम को दर्शाते हुए चित्र/फोटो का संग्रह कर एक एल्बम तैयार कीजिए।
	9.	क्षितिज (काव्य खंड)	पाठ -2 तुलसीदास - राम-लक्ष्मण-परशुराम संवाद इकाई परीक्षा	7	4.पारंपरिक रामलीला अथवा रामकथा की नाटक प्रस्तुति करें अथवा उसे देखने के अपने अनुभव को एक अनुच्छेद के माध्यम से व्यक्त करें।

PERIODIC TEST-1

जून (07 दिन)	10.	व्याकरण-	पत्र लेखन (औपचारिक एवं अनौपचारिक पत्र) इकाई परीक्षा	6	
जुलाई (27 दिन)	11.	कृतिका-	पाठ-1 शिवपूजन सहाय- माता का अँचल इकाई परीक्षा	5	5.कोई प्रत्यक्ष घटना, कविता अथवा कथा-कहानी-नाटक आदि का वाचन कार्य। 6.शिवपूजन सहाय, फणीश्वरनाथ रेणु अथवा नागार्जुन में से किसी एक की कोई एक आंचलिक रचना पर पोर्टफोलियो तैयार कीजिए।
	12.	व्याकरण-	अलंकार- 1.शब्दालंकार-श्लेष 2.अर्थालंकार-उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण इकाई परीक्षा	4	
	13.	व्याकरण-	संदेश लेखन [शुभकामना, पर्व-त्योहार एवं विशेष अवसरों पर संदेश] इकाई परीक्षा	5	
	14.	व्याकरण-	विज्ञापन लेखन- इकाई परीक्षा	5	
PERIODIC TEST 2					
अगस्त (21 दिन)	15.	क्षितिज (काव्य खंड)	पाठ-4 जयशंकर प्रसाद- आत्मकथ्य इकाई परीक्षा	5	
	16.	कृतिका-	पाठ-3 मधु कांकरिया- साना साना हाथ जोड़ि ... इकाई परीक्षा	6	
	17.	क्षितिज (काव्य खंड)	पाठ-5 सूर्यकांत त्रिपाठी निराला 1.उत्साह 2.अट नहीं रही है इकाई परीक्षा	5	
	18.	व्याकरण-	पद-परिचय इकाई परीक्षा	7	

सितंबर (12 दिन)	19.	क्षितिज (गद्य खंड)	पाठ -14 मन्नू भंडारी- एक कहानी यह भी इकाई परीक्षा	6	7.'प्रकृति के जल संचयन की व्यवस्था' विषय पर चित्रांकन सहित परियोजना तैयार कीजिए। 8.स्वतंत्रता आंदोलन में महिलाओं की भी सक्रिय भागीदारी रही है। उनके बारे में जानकारी प्राप्त कीजिए और उनमें से किसी एक पर प्रोजेक्ट तैयार कीजिए।
	20.	क्षितिज (काव्य खंड)	पाठ - 6 नागार्जुन: 1. यह दंतुरित मुसकान- इकाई परीक्षा	5	
	21.	व्याकरण-	वाच्य इकाई परीक्षा	4	
	22.	व्याकरण-	स्ववृत्त लेखन इकाई परीक्षा	6	
		-	अपठित बोध (गद्यांश एवं काव्यांश) पुनरावृत्ति कार्य	2	
अक्टूबर (21 दिन)	23.	कृतिका-	पाठ 5 अज्ञेय- मैं क्यों लिखता हूँ? इकाई परीक्षा	5	9.'विज्ञान का दुरुपयोग कहाँ-कहाँ और किस तरह से' विषय पर निबंध लिखिए। 10.'साहित्य, कला, संगीत एवं नृत्य को समृद्ध करने में काशी का योगदान' विषय पर पोर्टफोलियो तैयार कीजिए।
	24.	क्षितिज (गद्य खंड)	पाठ-16 यतींद्र मिश्र- नौबतखाने में इबादत इकाई परीक्षा	6	
	25.	व्याकरण-	औपचारिक ई-मेल लेखन इकाई परीक्षा	6	
	26.	क्षितिज (काव्य खंड)	पाठ-9 मंगलेश डबराल- संगतकार इकाई परीक्षा	5	
नवंबर (19 दिन)	27.	क्षितिज (गद्य खंड)	पाठ-17 भदंत आनंद कौसल्यायन : संस्कृति इकाई परीक्षा	5	
			वाक्य, वाच्य, पद-परिचय, अलंकार (पुनरावृत्ति कार्य)	1+1+2+1=5	
			पत्र लेखन	3	

			(औपचारिक एवं अनौपचारिक पत्र) (पुनरावृत्ति कार्य)		
			औपचारिक ई-मेल लेखन (पुनरावृत्ति कार्य)	3	
			स्ववृत्त लेखन (पुनरावृत्ति कार्य)	4	
			संदेश लेखन [शुभकामना, पर्व-त्योहार एवं विशेष अवसरों पर संदेश] (पुनरावृत्ति कार्य)	3	
दिसंबर (25 दिन)			विज्ञापन लेखन (पुनरावृत्ति कार्य)	2	
			अनुच्छेद लेखन (पुनरावृत्ति कार्य)	2	
			इकाई परीक्षा	1	
			क्षितिज (गद्य खंड) पुनरावृत्ति कार्य	3	
			क्षितिज (काव्य खंड) पुनरावृत्ति कार्य	3	
			कृतिका (पुनरावृत्ति कार्य)	3	
			इकाई परीक्षा	1	
Pre Board Exam					

ARTIFICIAL INTELLIGENCE

TOTAL MARKS: 100 (THEORY-50 + PRACTICAL-50)

	UNITS	Theory	Practical
	Employability Skills-II		
Part A	Unit 1: Communication Skills-II (Part-A)	April	Lab Activity
Part A	Unit 2: Self-Management Skills-II (Part-A)	May	Lab Activity
	PERIODIC TEST-1 (Communication Skills-II)		
Part B	Unit 1: Revisiting AI Project Cycle & Ethical Frameworks for AI: 1. AI Project Cycle. 2. Introduction to AI Domains. 3. Ethical Frameworks of AI.	July	Lab Activity
	PERIODIC TEST-2 (Self-Management Skills-II & : Revisiting AI Project Cycle & Ethical Frameworks for AI)		
Part A	Unit 3 ICT Skills-II	August	Lab Activity
Part B	Unit 2: Advanced Concepts of Modeling in AI: 1. Revisiting AI, ML, DL. 2. Modeling. 3. Artificial Neural Networks.	August/September	Lab Activity
Part B	Unit 3: Evaluating Models: 1. Importance of Model Evaluation. 2. Splitting the training set data for Evaluation. 3. Accuracy and Error. 4. Evaluation metrics for classification. 5. Ethical concerns around model evaluation.	September	Lab Activity
	HALF- YEARLY EXAMINATION (Communication Skills , Self- Management Skills, Revisiting AI Project Cycle & Ethical Frameworks for AI, Advanced Concepts of Modeling in AI)		
Part B	Unit 4: Statistical Data (To be assessed through Practical's): 1. Introduction & No code AI tool: Define the concept of Statistical Data and understand its applications in various fields. Define No-Code and Low- Code AI. Identify the differences between Code and No-Code AI concerning Statistical Data. 2. Statistical Data: Use Case Walk through: Relate AI project stages to the stages of No-Code AI projects Able to use no-code tool Orange Data mining. To perform data exploration, modeling and evaluation with Orange data mining. (Part-B)	October	Lab Activity
	Unit 5: Computer Vision (To be assessed through Theory): 1. Define the concept of Computer Vision and understand its applications in various fields.	October / November	Lab Activity
	2. Understand the basic concepts of image representation, feature extraction, object detection, and segmentation. Computer Vision (To be assessed through Practical's): No-Code AI Tools: 1. To demonstrate proficiency in using no-code AI tools for computer vision projects. To deploy models, fine-tune parameters, and interpret results. Skills acquired include data	November	Lab Activity

	preprocessing, model selection, and project deployment. 2. Apply the convolution operator to process images and extract useful features. 3. Understand the basic architecture of a CNN and its applications in computer vision and image recognition.		
	Unit 6: Natural Language Processing: (To be assessed through Theory): 1. Comprehend the complexities of natural languages. And elaborate on the need for NLP techniques for machines to understand various natural languages effectively. 2. Explore the various applications of NLP in everyday life, such as, voice assistants, auto generated captions, language translation, sentiment analysis, text classification and keyword extraction. 3. Understand the concepts like lexicon, syntax, semantics, and logical analysis of input text. 4. Understand the concept of Chabot and the differences between smartbots and script bots. 5. Learn about the Text Normalization technique used in NLP and the popular NLP model - Bag-of-Words. Natural Language Processing (To be assessed through Practical's): Explore the sentiment analysis process using real-life datasets with the Orange Data Mining tool.	November	Lab Activity
	Unit 7: Advance Python: (To be assessed through Practical's): 1. Understand to work with Jupiter Notebook, creating virtual environments, installing Python Packages. 2. Able to write basic Python programs using fundamental concepts such as variables, data types, operators, and control structures. 3. Able to use Python built-in functions and libraries. (Part-B) (To be assessed in Practical's only)	November	Lab Activity
	Unit 4: Entrepreneurial Skills-II (Part-A)	November	Lab Activity
	Unit 5: Green Skills-II	December	Lab Activity
	PRE BOARD EXAMINATION		